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(54) **Wind musical instrument equipped with slide and supporting system for assisting player in performance**

(57) A player changes the pitch of tones produced through a trombone (10) by controlling the breath and a slide (11a), and the control of slide (11a) is not easy for children, handicapped persons and old players; a supporting system (20) is combined with the trombone (10), and includes a manipulating board (20a) fitted to an appropriate portion of the trombone (10) close to the slide (11a), a driving mechanism (21) connected to the slide (11a) and a controlling unit (22) connected to the manipulating board (20a) and driving mechanism (21); when the player wishes to change the pitch of tones through the sliding motion of the slide, he moves a lever (26) on the manipulating board (20a) by a distance shorter than a target stroke of the slide (11a), and the controlling unit (22) calculates the target stroke so as to supply a driving signal (S2, S3) to the driving mechanism (21); and the driving mechanism (21) exerts force on the slide (11a) so as to assist the player in varying the length of the column of air.

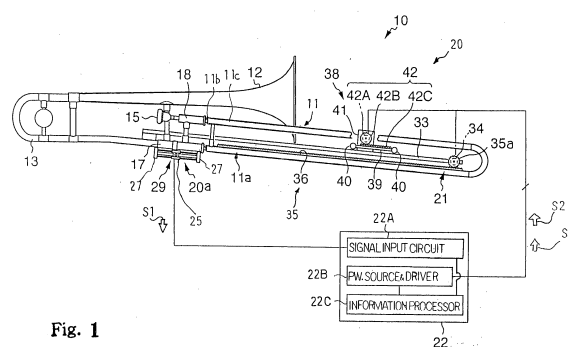


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 07 00 3241

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 April 2015	Examiner Meyer, Matthias
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 07 00 3241

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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